

AUTOMATIC GAIN CONTROL CIRCUIT, DATA COMMUNICATION
DEVICE AND AUTOMATIC GAIN CONTROL METHOD

ABSTRACT OF THE DISCLOSURE

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An automatic gain control circuit includes a first portion which calculates a first error amount, and a second portion which calculates a second error amount.

Both calculated error amount is sent to a determination module. Further, an integrator integrates an error amount, a difference between a power of an input signal and an average power of an eye pattern for example. The determination determines whether the integrated error amount exceeds a predetermined value or not, and output either of the first error amount and the second error amount based on the determination.

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